

TABLE 2

Effects of plant extracts on virus CPE production in Vero cells.
Amount of virus used was 100 TCID₅₀/well and treatment was started
2 hrs after virus adsorption.

5	EC50 (mg/ml) of plant aqueous extracts						
	A. Virus GHX-2L	GHX-2R	GHX-4R	GHX-6L	GHX-7L	GHX-20L	GHX-26F
	HSV-2,A	0.70	0.48	1.50	0.50	1.80	0.30
	HSV-1,G	0.26	0.24	0.76	0.30	NT	NT

10	EC100 (mg/ml) of plant aqueous extracts						
	B. Virus GHX-2L	GHX-2R	GHX-4R	GHX-6L	GHX-7L	GHX-20L	GHX-26F
	HSV-2,A	1.60	1.20	2.50	1.20	3.00	0.80
	HSV-1,G	1.10	0.60	2.00	0.80	NT	NT

15	EC50 (mg/ml) of plant aqueous extracts				
	C. Virus	GHX-2L	GHX-2R	GHX-4R	GHX-6L
	Polio,I	1.20	0.90	2.04	1.10
	II	0.23	<0.23	<<0.05	0.30
	III	NE	NE	0.075	0.90
	Measles	0.85	NE	5.70	NE
	Yellow Fever	0.60	0.27	2.00	NE

20 NT - Not tested, NE - Not effective

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108101-6682660

TABLE 3

Effects of 90% methanol extracts on HSV-2 strain A CPE and virus yield in Vero cells. 50 TCID₅₀/ml of virus per well used. Drug treatment was started 2 hrs after virus adsorption.

5 A. Plant extract GHX-20L

Concentration (mg/ml)	CPE (%)	Virus yield (log ₁₀ TCID ₅₀ /ml)
0.000	100	6.5
0.088	100	6.5
0.175	50	4.5
0.350	0	2.0
0.700	0	0.0
1.400	0	<0.0

B. Plant extract GHX-6L

Concentration (mg/ml)	CPE (%)	Virus yield (log ₁₀ TCID ₅₀ /ml)
0.000	100	6.0
0.074	100	6.0
0.148	80	5.0
0.295	40	3.5
0.590	0	1.5
1.180	0	0.0

TABLE 4

Effects of aqueous extracts of plants against HIV-1 strain HTLVIII_B in Molt4 clone 8 infected at a multiplicity of infection of 0.00357. Drug treatment was started at 40 mins after virus adsorption.

Plant extract	EC50 (mg/ml)	CC50 (mg/ml)	AI
GHX-2L	0.01	1.1	110.0
GHX-6L	0.03	1.3	43.3
GHX-7L	0.70	>>1.4*	>>2.0
GHX-26S	0.02	>1.8*	>90.0
GHX-26F	0.01	0.18	18.0
GHX-26S+F	0.01	0.71	71.0
GHX-27L	0.014	0.45	32.0

* Highest concentration tested.

EC50 - Fifty percent effective concentration.

CC50 - Fifty percent cytotoxic concentration.

AI - Antiviral index defined as CC50/EC50